

REMARKS

Reconsideration of the application in light of the amendments and the following remarks is respectfully requested.

Status of the Claims

Claims 1-16 are pending. Claims 2, 8 and 11 have been amended. No new matter has been added.

Applicants appreciatively acknowledge the Examiner's allowance of claims 12-16, and the indication of allowable subject matter in claims 2- 9 and 11. Claims 2, 8 and 11 have been amended to be in independent form and recite the subject matter of their base claims. Accordingly, Applicants submit that the amendment places claims 2-9 and 11 in condition for allowance.

Rejection Under 35 U.S.C. § 102

Claims 1 and 10 stand rejected under 35 U.S.C. § 102(a) as being anticipated by U.S. Patent Application No. 2002/0105471 to Kojima et al. ("Kojima"). Claims 1-10 also stand rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 2,745,102 to Norgorden. Applicants respectfully traverse these rejections.

Applicants submit that Kojima discloses a monopole radiator 102 and several parasitic elements with switches that shape the radiation pattern of the monopole radiator. Applicants submit that Norgorden discloses monopole radiators 5, 34, 102 that are fed by a relatively long coaxial transmission line 19. Norgorden discloses that parasitic radiators 6, 35, 103 are close to the monopole radiator to eliminate the mismatch caused by the long feed cable.

The two antennas disclosed in Kojima and Norgorden are each external and large-sized at their operating band making them unsuitable for use as an "internal antenna for a flat radio device." The coils disclosed in Kojima and Norgorden are traditional shortening coils, by which the

electrical length and, thus, the natural frequency, of an antenna element is changed. (*See* Kojima, paragraph 0027; and Norgorden, column 4, lines 35-37 and 40-42.)

Claims 1 and 10 each recite “a single inductive matching element . . . to optimize antenna matching.” In the claimed invention the inductive element optimizes the whole antenna structure (i.e., reduces the reflection coefficient and broadens the operating band). In contrast, Kojima and Norgorden disclose changing the natural frequency of the antenna.

Applicants submit that neither Kojima nor Norgorden disclose, nor suggest, each and every element of the invention of independent claims 1 and 10. Thus, claims 1 and 10 are not anticipated by these references. Reconsideration and withdrawal of the rejection is requested.

CONCLUSION

Each and every point raised in the Office Action dated April 18, 2006 has been addressed on the basis of the above amendments and remarks. In view of the foregoing it is believed that claims 1-16 are in condition for allowance and it is respectfully requested that the application be reconsidered and that all pending claims be allowed and the case passed to issue.

If there are any other issues remaining which the Examiner believes could be resolved through a Supplemental Response or an Examiner's Amendment, the Examiner is respectfully requested to contact the undersigned at the telephone number indicated below.

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Respectfully submitted,

By 

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